
**Assembly tools for screws and nuts —
Machine-operated screwdriver bits —**

**Part 3:
Screwdriver bits for hexagon socket
screws**

*Outils de manoeuvre pour vis et écrous — Embouts tournevis à
machine —*

Partie 3: Embouts tournevis pour vis à six pans creux

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 29, *Small tools*, Subcommittee SC 10, *Assembly tools for screws and nuts, pliers and nippers*.

This second edition cancels and replaces the first edition (ISO 2351-3:2002), of which it constitutes a minor revision with the following changes:

- designation according to ISO 1703 has been included;
- references have been updated;
- minimum proof torque values in [Table 2](#) have been corrected;
- relation of minimum proof torque and M_d ISO 2936 in [Table 2](#) has been defined exactly.

ISO 2351 consists of the following parts, under the general title *Assembly tools for screws and nuts — Machine-operated screwdriver bits*:

- *Part 1: Screwdriver bits for slotted head screws*
- *Part 2: Screwdriver bits for cross-recessed head screws*
- *Part 3: Screwdriver bits for hexagon socket screws*

Assembly tools for screws and nuts — Machine-operated screwdriver bits —

Part 3: Screwdriver bits for hexagon socket screws

1 Scope

This part of ISO 2351 prescribes the technical specifications for machine-operated screwdriver bits for hexagon socket screws, listed in ISO 1703 under reference number 3 2 03 01 0. It applies to bits with male hexagon drive or with cylindrical flat-end drive as defined in ISO 1173 and to tips for screwdrivers as defined in ISO 2936. It also gives recommended combinations between tips and bits.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

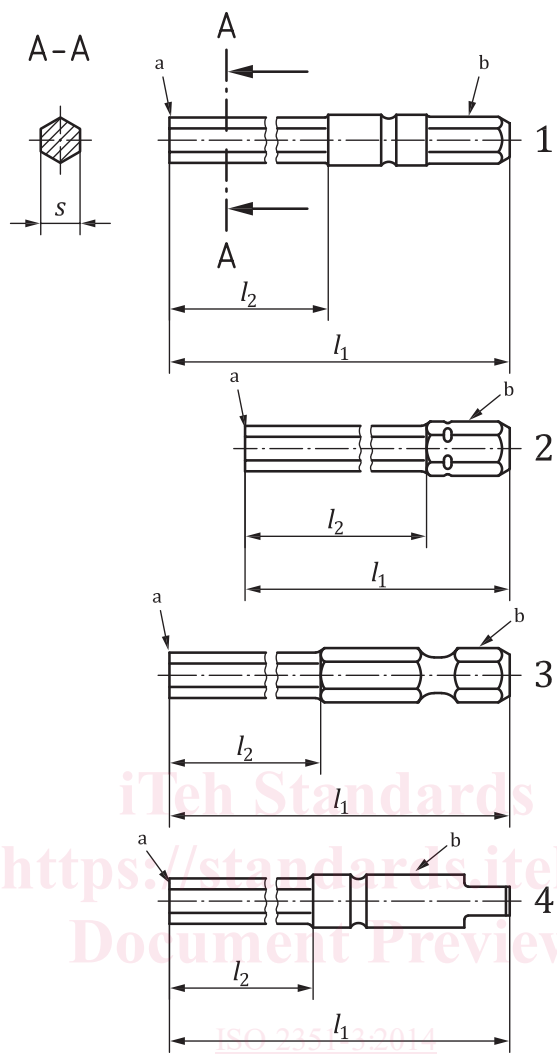
ISO 1173, *Assembly tools for screws and nuts — Drive ends for hand- and machine-operated screwdriver bits and connecting parts — Dimensions, torque testing*

ISO 2936, *Assembly tools for screws and nuts — Hexagon socket screw keys*

3 Dimensions

[Figure 1](#) and [Table 1](#) show the recommended combinations of screwdriver bits for hexagon socket screws.

The shape of the liaison between the tip and the driver end is at the discretion of the manufacturer.



- Key** <https://standards.iteh.ai/catalog/standards/iso/d5e9f337-ab7a-440a-9ff2-9e58e79cfd16/iso-2351-3-2014>
- 1 Form A
 - 2 Form C
 - 3 Form E
 - 4 Form G
 - a Part in contact with the screw (in accordance with ISO 2936).
 - b Driver end (in accordance with ISO 1173).

Figure 1 — Screwdriver bits